

## Expert Opinion

File No: **IU-M-32**  
Date: **09/02/21**

Applicant: BANKOM D.O.O.Bulevar Nikole Tesle 30 a 11080 ZEMUN Bulevar Nikole Tesle 30 a 11080 ZEMUN

Documents reff.:

Data on sample Samples submitted 02/02/21

Sample and identification number:

**IU-M-00078 TEXPRO C - Textured soy protein - pieces;**

Type of testing: Food safety

IU-M-00078 Sensor analysis, Physico chemical analysis: moisture content, protein, fat, cellulose, ash, Microbiological analysis, Residue /contaminant analysis: pesticides, heavy metals (Hg, As, Pb, Cd), mycotoxins (aflatoxin and Ochratoxin A), GMO and RH

Date of receipt: 02/02/21

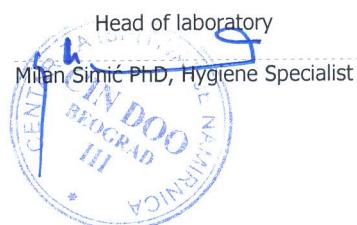
Date of start of lab. analysis: 02/02/21  
Date of completion of lab. analysis: 09/02/21

On the basis of results of laboratory analysis and expert review it was determined that the above stated sample IU-M-00078 from the point of controlled parameters IS IN COMPLIANCE WITH the Product Specification, Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin (OJ L 70 16.03.2005. p1) and amendments (Consolidated version of Reg 396/2005), Commission regulation (EC) No 1881/2006 setting maximum levels for certain contaminants in foodstuffs (OJ L 364/5), Commission regulation (EU) No 619/2011 laying down the methods of sampling and analysis for the official control of feed as regards presence of genetically modified material for which an authorisation procedure is pending or the authorisation of which has expired (OJ L 166/9), Regulation (EC) No 1829/2003 on genetically modified food and feed (OJ L 268/1) and Council Regulation (EC) No: 733/2018 of 15 July 2018 and 1048/2009 of 23.October 2009.

Applied decision rule:

The rule of shared risk (documented in article 8 of the General laboratory business rules of Centar za ispitivanje namirnica d.o.o., issue 2 of 14.02.2020).

NOTE: Determination of mercury, total arsenic and ochratoxin A content were performed upon client's request and the statement of conformity does not refer to it.





## Report on laboratory analysis

File No: **IU-M-32**  
Date: 09/02/21

### Data received from applicant:

Applicant: **BANKOM D.O.O.**

Bear Costs: **BANKOM D.O.O. Bulevar Nikole Tesle 30 a 11080 ZEMUN**

Documents ref.: .

Data on sample: Samples submitted 02/02/21

Sample and identification number:

**IU-M-00078 TEXPRO C - Textured soy protein - pieces;**

Type of testing: Food safety

IU-M-00078 Sensor analysis, Physico chemical analysis: moisture content, protein, fat, cellulose, ash, Microbiological analysis, Residue /contaminant analysis: pesticides, heavy metals (Hg, As, Pb, Cd), mycotoxins (aflatoxin and Ochratoxin A), GMO and RH

Date of receipt: 02/02/21

Date of start of lab. analysis: 02/02/21

Date of completion of lab. analysis: 09/02/21

### Statements:

This Report refers only to the tested sample.

"Centar za ispitivanje namirnica d.o.o." has responsible over the data in this report, except for the data provided by the customer.

"Centar za ispitivanje namirnica d.o.o." has not responsible for the validity of the results, using the information provided by the customer.

When the "Centar za ispitivanje namirnica d.o.o." is not responsible for the sampling phase, the results are applied to the sample as received.

Measurement uncertainty associated with the result represents the extended measurement uncertainty expressed as a combined standard measurement uncertainty multiplied with the coverage factor  $k = 2$ , for a confidence level of 95%.

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No: IU-M-32  
Date: 09/02/21

## Analysis results:

### Sample: IU-M-00078 TEXPRO C - Textured soy protein - pieces

#### Sample data: \*\*

Sample: TEXPRO C - Textured soy protein - pieces  
Food group: Protein products  
Original packaging: /  
Sample quantity: 3 kg  
Best used by: 05.01.2023.  
Series (LOT): 050121E3A16188  
Manufacturer: "Bankom" d.o.o. 30a Bulevar Nikole Tesle st., Zemun, Serbia  
Country of origin: Serbia  
Sample properly submitted

#### Sensor analysis

The subject sample is a textured soy protein under the commercial name "Texpro C", obtained from genetically unmodified soybeans, which is crushed, peeled, flaked and extracted with the help of hexane as a solvent, and by special thermal treatment and extrusion at the desired temperatures. The product is of different piece sizes, dark yellow color, with a characteristic odor and a slightly sweet taste.

Method: SBM-03-001

#### Declaration of Conformity:

The results of the tested parameters are in COMPLIANCE with the manufacturers specification and the Rulebook on the quality of protein products and mixtures of protein products for the food industry ("Sl. List SFRJ" br. 41/85, "Sl. List SCG" br. 56/03 )

#### Physico chemical analysis

Parameter:	Result:	(unit)	Ref. value:	Method:
Moisture content	6,31 ±0,32	%	max 8	Sl. List SRFJ br.41/85 metoda 1
Protein (in dry matter)	57,48 ±1,15	%	min 47	Sl. List SRFJ br.41/85 metoda 4
Total ash, on dry basis	6,5 ±0,3	%	max 6.5	Sl. List SRFJ br.41/85 metoda 3
Fat (in dry matter)	0,43 ±0,03	%	max 2	Sl. List SRFJ br.41/85 metoda 2
Cellulose (in dry matter)	2,12 ±0,11	%	max 3.5	Sl. List SRFJ br.41/85 metoda 6

#### Declaration of Conformity:

The results of the tested parameters are in COMPLIANCE with Article 29, item 1, Article 29, item 2 and Article 29, item 3, Article 29, item 4, Article 29, item 5 of the Rulebook on the quality of protein products and mixtures of protein products for the food industry ("Sl. list SFRJ" br. 41/85, "Sl. list SCG" br. 56/03 i 4/04 - dr. pravilnik) When measurement uncertainty is associated with the result, it represents the extended measurement uncertainty expressed as a combined standard measurement uncertainty multiplied with the coverage factor k = 2, for a confidence level of 95%.

Decision rule: When making the statements of conformity, the rule of shared risk is used (documented by Article 8 of the „Opšta pravila poslovanja labaratorije Centra za ispitivanje namirnica“ edition 2, dated 14 February 2020)

#### Residue / contaminant analysis

Parameter:	Result:	(unit)	Ref. value/ML:	Method:
<i>Organophosphorus pesticides</i>				
-Cadusafos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Chlorfenvinphos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Chlorpyrifos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Chlorpyrifos-Methyl	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Diazinon	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Dichlorvos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Dimethoate	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Etrimfos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Fenitrothion	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Fenthion	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Malathion	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Methacrifos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Parathion	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Parathion-Methyl	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Phosphamidon	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Pirimiphos-Methyl	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018
-Profenofos	< 0,01	mg/kg		GC-MSD, SRPS EN 15662:2018

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\*) Non accredited activities. \*\*) The data provided by customer.

Tag: CIN-LAB-7.8/O-1 Edition 1 from January 3 2020.

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-Sulprofos	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
<b>Carbamates</b>			
-Carbaryl	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Methiocarb	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Methomyl	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Oxamyl	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Pirimicarb	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Propoxur	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
<b>Triazines</b>			
-Atrazine	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Cyanazine	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Prometon	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Propazine	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Simazine	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Terbutylazine	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
<b>Pyrethroids</b>			
-Bifenthrin	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Fenvalerate (sum of isomers,including esfenvalerate)	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Permethrin (sum of isomers)	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-S-Bioallethrin	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
<b>Organochlorine pesticides</b>			
-Aldrin and Dieldrin (combined expressed as dieldrin)	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Chlordane (sum of cis- and trans-chlordan)	< 0,02	mg/kg	GC-MSD, SRPS EN 15662:2018
-DDT (sum of p,p'-DDT, o,p'-DDT, p,p'-DDE, p,p'-DDD)	< 0,03	mg/kg	GC-MSD, SRPS EN 15662:2018
-Endosulfan (alpha-,beta- isomers and endosulfan-sulphate)	< 0,03	mg/kg	GC-MSD, SRPS EN 15662:2018
-Endrin	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Heptachlor (sum of Heptachlor and Heptachlor epoxide)	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Hexachlorobenzene (HCB)	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Hexachlorocyclohexane (HCH), alpha-isomer	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Hexachlorocyclohexane (HCH), beta-isomer	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Lindane (gamma-isomer of hexachlorocyclohexane (HCH))	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
-Methoxychlor	< 0,01	mg/kg	GC-MSD, SRPS EN 15662:2018
<b>Metals and metalloids</b>			
Lead (Pb)	< 0,20	mg/kg	GFAAS, IHM-03-AAS 01
Cadmium (Cd)	< 0,10	mg/kg	GFAAS, IHM-03-AAS 01
Mercury (Hg)	< 0,05	mg/kg	CVAAS, IHM-03-AAS 01
Arsenic (As)	< 0,10	mg/kg	HGAAS, IHM-03-AAS 01
<b>Mycotoxins</b>			
Aflatoxin B1 and total (B1+B2+G1+G2)	< 4	µg/kg	IHM-03-ELISA 01a
Aflatoxin B1	< 2	µg/kg	IHM-03-ELISA 01b
Ochratoxin A	< 2	µg/kg	IHM-03-ELISA 10

### Genetic analysis

Parameter:	Result:	(unit)	Ref. value/ML:	Methda:
<i>Determination of the presence of GMOs</i>				
CaMV 35S promoter	n.d. (< 0,1%)	%		SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014
A.tum NOS terminator	n.d. (< 0,1%)	%		SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014
FMV 34S promoter	n.d. (< 0,1%)	%		SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21569:2008 i A1:2014
<i>Content RoundUp Ready soybeans</i>				
RoundUp Ready soybeans	n.d. (< 0,1%)	%		SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21570:2009 i A1:2014

### Content RoundUp Ready soybeans

RoundUp Ready soybeans n.d. (< 0,1%) % SRPS EN ISO 21571:2009 i A1:2013; SRPS EN ISO 21570:2009 i A1:2014

### Declaration of Conformity:

Results of tested parameters ARE IN COMPLIANCE with the Rulebook on the maximum levels of residues of plant protection products in food and feed ("Sl. glasnik RS")

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Tag: **CIN-LAB-7.8/O-1** Edition 1 from January 3 2020.

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Date: 09/02/21

no. 132/20), the Rulebook on maximum levels of certain contaminants in food ("Sl. glasnik RS" no. 81/19 and 126/20) and the Law on genetically modified organisms ("Sl. glasnik RS" no. 41/09).

Applied decision rule:

The rule of shared risk (documented in article 8 of the General laboratory business rules of Centar za ispitivanje namirnica d.o.o., issue 2 of 14.02.2020)

NOTE: Determination of mercury, total arsenic and ochratoxin A content were performed upon client's request and the statement of conformity does not refer to it.

### Microbiological analysis

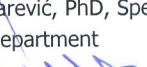
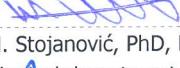
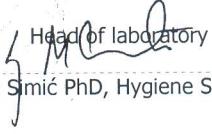
Parameter:	1	2	3	4	5	MAV	Result:	Method:
Bacillus cereus (incubation temp.30°C cfu/g	<100	<100	<100	<100	<100	c=1, m=100, M=1000	Satisfactory	SRPS EN ISO 7932:2009
Enterobacteriaceae (incubation temperature 37°C) cfu/g	<10	<10	<10	<10	<10	c=2, m=10, M=100	Satisfactory	SRPS EN ISO 21528-2:2017
Sulphite reducing clostridia (incubation temp. 37°C) cfu/g	<10	<10	<10	<10	<10	c=0, M=10	Satisfactory	SRPS ISO 15213:2011
Total plate count cfu/g	1000	1200	900	800	1100	c=2, m=10000, M=100000	Satisfactory	SRPS EN ISO 4833-1:2014
Clostridium perfringens cfu/g	<10	<10	<10	<10	<10	c=1, m=10, M=100	Satisfactory	SRPS EN ISO 7937:2010
Listeria monocytogenes 25g	not found	c=0, m=0, M=0	Satisfactory	SRPS EN ISO 11290-1:2017				
Salmonella spp. 25g	not found	c=0, m=0, M=0	Satisfactory	SRPS EN ISO 6579-1:2017				
Escherichia coli cfu/g	<10	<10	<10	<10	<10	c=0, M=10	Satisfactory	MBM-03-027
Mould and yeast (aw less than or equal to 0.95) cfu/g	<100	<100	<100	<100	<100	c=2, m=100, M=1000	Satisfactory	SRPS ISO 21527-2:2011

MDV - with Manufacturing Specification

According to analytical results, the sample is IN COMPLIANCE with Manufacturing Specification

### Other analysis

IU-M-00078 TEXPRO C - Textured soy protein - pieces

Parameter:	Apendix:	Institution:
Radioactivity	Examination report No. 2021/189; submitted 05/02/21	Veterinarski fakultet, Beograd
<b>Head/Heads of Departments</b>		
		
Vladimir Atić, MSc, Graduate Engeneer of Tehnology Sensor analysis department		
		
Kristina Lazarević, PhD, Specialist in Chemistry Chemistry department		
		
Marija M. Stojanović, PhD, Doctor of veterinary medicine Microbiological department		
		
Milica Jovetić, PhD, Specialist in Sanitary Chemistry Instrumental Chemistry department		
 CENTAR ZA ISPITIVANJE NAMIRNICA d.o.o. III * A *		
		
Milan Simić PhD, Hygiene Specialist Head of laboratory		

\*\*\*\*\* End of the Report \*\*\*\*\*

Faculty of Veterinary medicine  
University of Belgrade  
Department of Radiology and  
Radiation hygiene  
Bulevar Oslobođenja 18  
Belgrade  
Serbia



**Client**

"Center for food analysis"  
Zmaja od Noćaja 11, Belgrade, Serbia  
Tel. +381 11 2625 077

**Examiner:**  
Department of Radiology and Radiation hygiene  
Tel./Fax +381 11 2685 291  
E-mail: [radijacija@vet.bg.ac.rs](mailto:radijacija@vet.bg.ac.rs)

**SUBJECT: EXAMINATION REPORT NO. 2021/189**

**SAMPLE ACCEPTANCE DATE: 03.02.2021.**

**SAMPLE ANALYSES DATE: 03.02.2021.**

**DATE OF ISSUING REPORT: 04.02.2021.**

According to your requirement No.IU-M-32 dated 02/02/2021., the examination regarding the presence of radionuclides is done within the delivered sample and the following report has been made:

**1. Sample:**

IU - M - 00078 TEXPRO C- Textured soy protein- pieces

**2. Quantity/mass:/**

**3. Country of Origin: /**

**4. Importer:/**

**5. Vehicle number:/**

**6. Sampler:/**

**7. Link to sampling proceedings:/**

**8. Investigation method:** The sample preparation included homogenization and weighing into a suitable container (IAEA TRS 295). The examination has been done by the method of low-level gamma spectrometry on HPGe detector based on IAEA TRS 295. For detector calibration referents standards were used.

**9. Results:**

<b>Radionuclide content in the sample (Bq /kg)</b>		<b>ACCORDING REGULATIONS</b>
<sup>137</sup> Cs	< 0,8	YES
<sup>40</sup> K	815 ± 46	

**10. Conclusion:** The results of measured radioactivity in the delivered sample show **no radionuclide presence beyond the regulations** (Commission Implementing Regulation (EU) No: 2020/1158 of 5 August 2020.)

Deliver to:

- 1.Client
- 2.Archive

Examiner:

dr vet.med. Borjana Vranješ  
asistent

*Borjana Vranješ*

It is forbidden to distribute analysis results without approval from Faculty of veterinary medicine, Department for Radiology and radiation Hygiene

2. Results are valid only for examined sample.



Head of Department:

Redovni profesor  
Dr sci. vet. med. Nikola Krstić

*Nikola Krstić*

FVM RH ZA/3